

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  15505	<b>FOR FURTHER ACTION</b>  see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/EP2004/014500	International filing date (day/month/year)  20/12/2004	(Earliest) Priority Date (day/month/year)  18/12/2003
Applicant  MORPHOCHEM AG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/014500

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 C07D413/14 C07D413/12 A61K31/422 A61K31/435  
 A61K31/4375 A61P31/04 C07D498/06 C07D413/14 C07D413/10  
 C07F9/553 C07F9/59 A61K31/661 A61K31/6615 A61K31/538

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/032962 A (MORPHOCHEM AG FUER KOMBINATORI ; SPECKLIN JEAN-LUC (FR); HUBSCHWERLEN) 24 April 2003 (2003-04-24) cited in the application claims 1,14-21; examples 12,21	1-18
X	WO 03/031443 A (MORPHOCHEM AG FUER KOMBINATORI ; SPECKLIN JEAN-LUC (FR); HUBSCHWERLEN) 17 April 2003 (2003-04-17) cited in the application claims 1,14-17,19; examples 12,21	1-18
Y	WO 02/059116 A (BARBACHYN MICHAEL R ; GORDEEV MIKHAIL F (US); UPJOHN CO (US); GAGE JAM) 1 August 2002 (2002-08-01) cited in the application claims 1,3,5-9,12,13,26-30; examples 1,2,4-6	1-18
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

21 June 2005

Date of mailing of the international search report

29/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

vanVoorst tot Voorst, M

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/014500

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/002560 A (VITA INVEST SA ; DEL CASTILLO JUAN CARLOS (ES); HIDALGO RODRIGUEZ JOSE) 9 January 2003 (2003-01-09) cited in the application claims 1-7,18-20; examples 1,3-13,19-26,28,29,31-35 -----	1-18

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/014500

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03032962	A	24-04-2003	BR 0213063 A	28-09-2004
			CA 2460572 A1	24-04-2003
			WO 03031443 A1	17-04-2003
			WO 03032962 A2	24-04-2003
			EP 1432705 A2	30-06-2004
			HU 0402126 A2	28-02-2005
			PL 367517 A1	21-02-2005
			US 2005096343 A1	05-05-2005
WO 03031443	A	17-04-2003	BR 0213063 A	28-09-2004
			CA 2460572 A1	24-04-2003
			WO 03031443 A1	17-04-2003
			WO 03032962 A2	24-04-2003
			EP 1432705 A2	30-06-2004
			HU 0402126 A2	28-02-2005
			PL 367517 A1	21-02-2005
			US 2005096343 A1	05-05-2005
WO 02059116	A	01-08-2002	CA 2424402 A1	01-08-2002
			EP 1349853 A2	08-10-2003
			JP 2004518677 T	24-06-2004
			WO 02059116 A2	01-08-2002
			US 2004215017 A1	28-10-2004
			US 2003013737 A1	16-01-2003
WO 03002560	A	09-01-2003	ES 2186550 A1	01-05-2003
			BG 108498 A	31-03-2005
			BR 0210667 A	05-10-2004
			CA 2450982 A1	09-01-2003
			CN 1520412 A	11-08-2004
			CZ 20040101 A3	14-07-2004
			EE 200400004 A	16-02-2004
			EP 1401834 A1	31-03-2004
			HR 20031063 A2	30-04-2004
			HU 0400370 A2	30-08-2004
			WO 03002560 A1	09-01-2003
			JP 2004521147 T	15-07-2004
			MX PA04000185 A	18-03-2004
			PL 365476 A1	10-01-2005
			SK 572004 A3	03-08-2004
			US 2004147545 A1	29-07-2004